
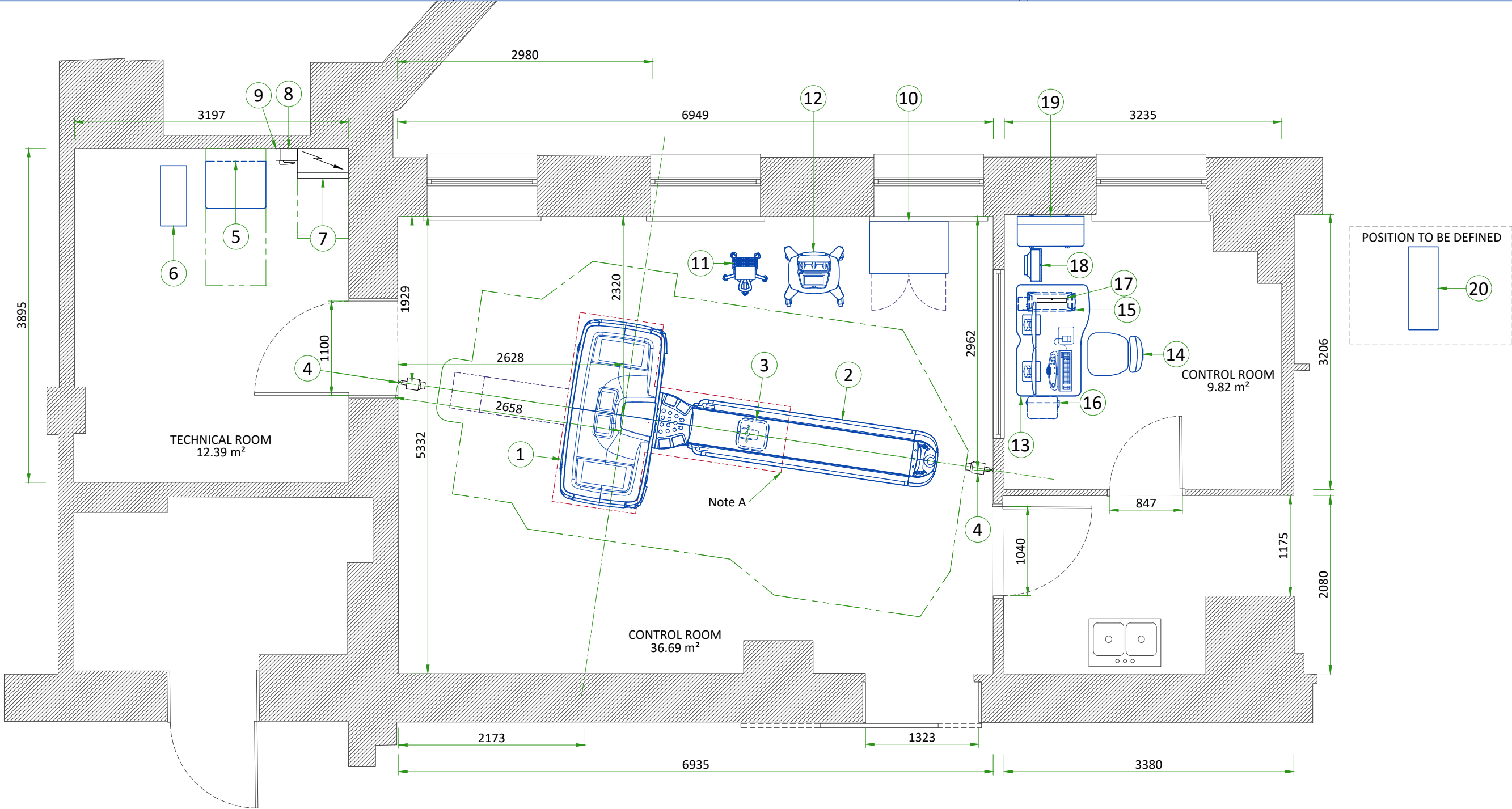




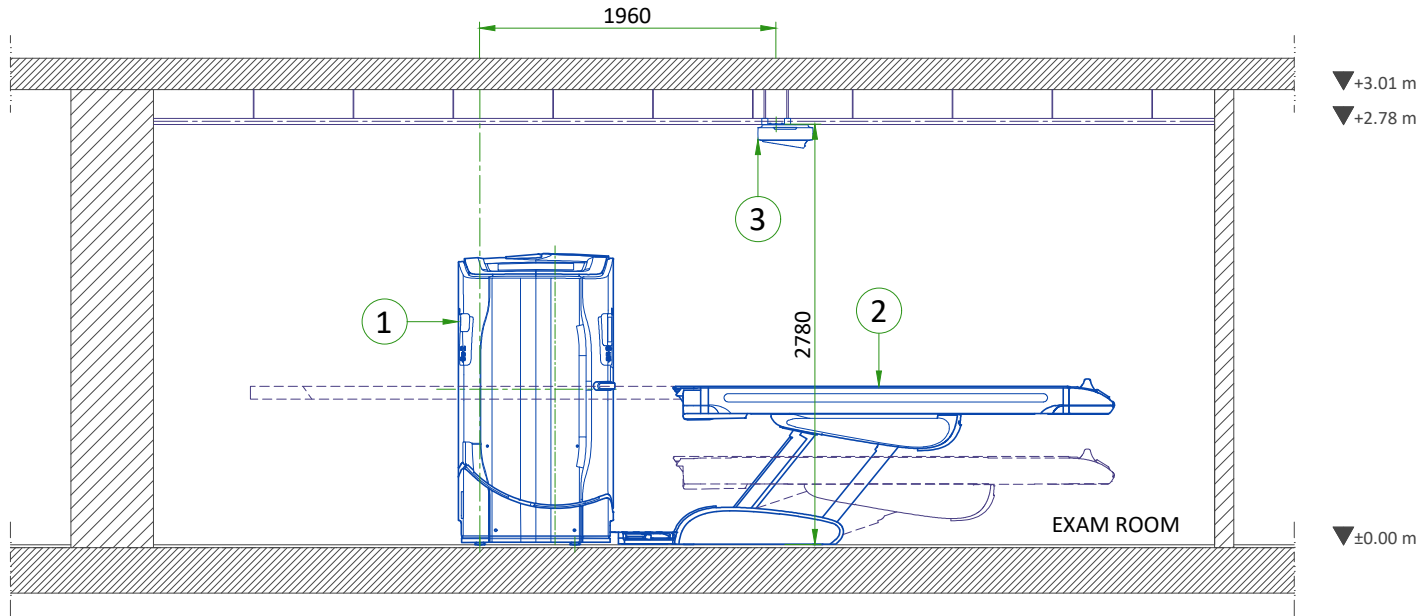
			ZIELONA GÓRA SZPITAL UNIWERSYTECKI IM. KAROLA MARCINKOWSKIEGO W ZIELONEJ GÓRZE SP. Z O.O.										
			ZIELONA GÓRA										
			POLAND										
B	30/AUG/2024	Modification of layout (DC-445077)											
A	11/APR/2024	Based on the CT-B390503-PRE-00-A preliminary study (DC-426256)											
REV	DATE	MODIFICATIONS											
01 - Cover Sheet		<div> <b>GE HealthCare</b></div> <div>Maria Iwanicka</div> <div>-</div> <div>Maria.iwanicka@ge.com</div>				REVOLUTION ASCEND FINAL STUDY							
02 - Equipment Layout													
03 - Equipment Layout- Equipment Sections													
04 - Floor Structural Layout													
05 - Floor Structural Details (1)													
06 - Ceiling Layout													
07 - Ceiling Structural Details (1)													
08 - Radiation Protection Layout													
09 - Radiation Protection Details													
10 - Power Requirements - Power Distribution		Drawn by		Verified by		Concession		GON/Quote		PIM Manual		Rev	
11 - Environment - Interconnections		A. Kakuk		A. Ficsor		-		5443629		5987663-1EN		4	
12 - Equipment Dimensions (1)		Format		Scale		File Name				Date		Sheet	
13 - HVAC - Delivery		A3		1:50		CT-B390503-FIN-00-B.DWG				30/AUG/2024		01/17	
14 - Disclaimer - Site Readiness													
A mandatory component of this drawing set is the GE HealthCare Pre Installation manual. Failure to reference the Pre Installation manual will result in incomplete documentation required for site design and preparation. Pre Installation documents for GE HealthCare products can be accessed on the web at: <a href="https://www.gehealthcare.com/support/manuals">https://www.gehealthcare.com/support/manuals</a>													
GE HealthCare does not take responsibility for any damages resulting from changes on drawings made by others. Errors may occur by not referring to the complete set of final issue drawings. GE HealthCare cannot accept responsibility for any damage due to the partial use of GE HealthCare final issue drawings, however caused. All dimensions are in millimeters unless otherwise specified. Do not scale from printed pdf files. GE HealthCare accepts no responsibility or liability for defective work due to scaling from these drawings.													

EQUIPMENT LAYOUT

ITEM	DESCRIPTION	DIMENSIONS LxWxH (mm)	WEIGHT (kg)	ITEM	DESCRIPTION	DIMENSIONS LxWxH (mm)	WEIGHT (kg)	ITEM	DESCRIPTION	DIMENSIONS LxWxH (mm)	WEIGHT (kg)
1	GANTRY	2150x1024x1925	1805	10	STORAGE CABINET	610x915x1070	41	19	SMART SUBSCRIPTION SERVER FOR CT	779x350x588	55
2	VT2000X TABLE	650x2910x1047	509	11	IVY 7800 CARDIAC TRIGGER MONITOR	-	8.54	20	AW SERVER STAND-ALONE RACK	968x343x648	36.3
3	AUTO PATIENT POSITIONING DEPTH CAMERA	360x360x180	3.2	12	MEDRAD CENTARGO INJECTOR	620x689x1681	75				
4	CCTV CAMERA (NOT SUPPLIED BY GE)	-	-	13	AURORA SWS TABLE	1300x850x850	40	<div></div>	WALL - ACCORDING TO RECEIVED DRAWING		
5	POWER DISTRIBUTION UNIT (PDU)	700x550x1062	370	14	OPERATOR'S CHAIR	-	-	EXAM ROOM HEIGHT			
6	PARTIAL UPS	702x305x817	160	15	STANDALONE CONSOLE	662x216x445	26	FINISHED FLOOR TO SLAB HEIGHT			3.01 m
7	MAIN DISCONNECT PANEL (MDP) (NOT SUPPLIED BY GE)	-	-	16	POWER BOX	350x256x293	10	FALSE CEILING HEIGHT			2.78 m
8	EARTH REFERENCE BAR (ERB) (NOT SUPPLIED BY GE)	-	-	17	CCTV MONITOR (NOT SUPPLIED BY GE)	-	-	<b>Note:</b> A) Additional reinforced area, to be validated by a structural engineer			
9	MAINS ISOLATOR (MI) (NOT SUPPLIED BY GE)	-	-	18	INJECTOR CONTROL ROOM UNIT	202x384x259	7.20				



EXAM ROOM SIDE VIEW



EQUIPMENT LAYOUT - EQUIPMENT SECTIONS









ITEM	DESCRIPTION	DIMENSIONS LxWxH (mm)	WEIGHT (kg)
1	GANTRY	2150x1024x1925	1805
2	VT2000X TABLE	650x2910x1047	509
3	AUTO PATIENT POSITIONING DEPTH CAMERA	360x360x180	3.2
4	CCTV CAMERA (NOT SUPPLIED BY GE)	-	-
5	POWER DISTRIBUTION UNIT (PDU)	700x550x1062	370
6	PARTIAL UPS	702x305x817	160
7	MAIN DISCONNECT PANEL (MDP) (NOT SUPPLIED BY GE)	-	-
8	EARTH REFERENCE BAR (ERB) (NOT SUPPLIED BY GE)	-	-
9	MAINS ISOLATOR (MI) (NOT SUPPLIED BY GE)	-	-
10	STORAGE CABINET	610x915x1070	41
11	IVY 7800 CARDIAC TRIGGER MONITOR	-	8.54
12	MEDRAD CENTARGO INJECTOR	620x689x1681	75
13	AURORA SWS TABLE	1300x850x850	40
14	OPERATOR'S CHAIR	-	-
15	STANDALONE CONSOLE	662x216x445	26
16	POWER BOX	350x256x293	10
17	CCTV MONITOR (NOT SUPPLIED BY GE)	-	-
18	INJECTOR CONTROL ROOM UNIT	202x384x259	7.20
19	SMART SUBSCRIPTION SERVER FOR CT	779x350x588	55
20	AW SERVER STAND-ALONE RACK	968x343x648	36.3

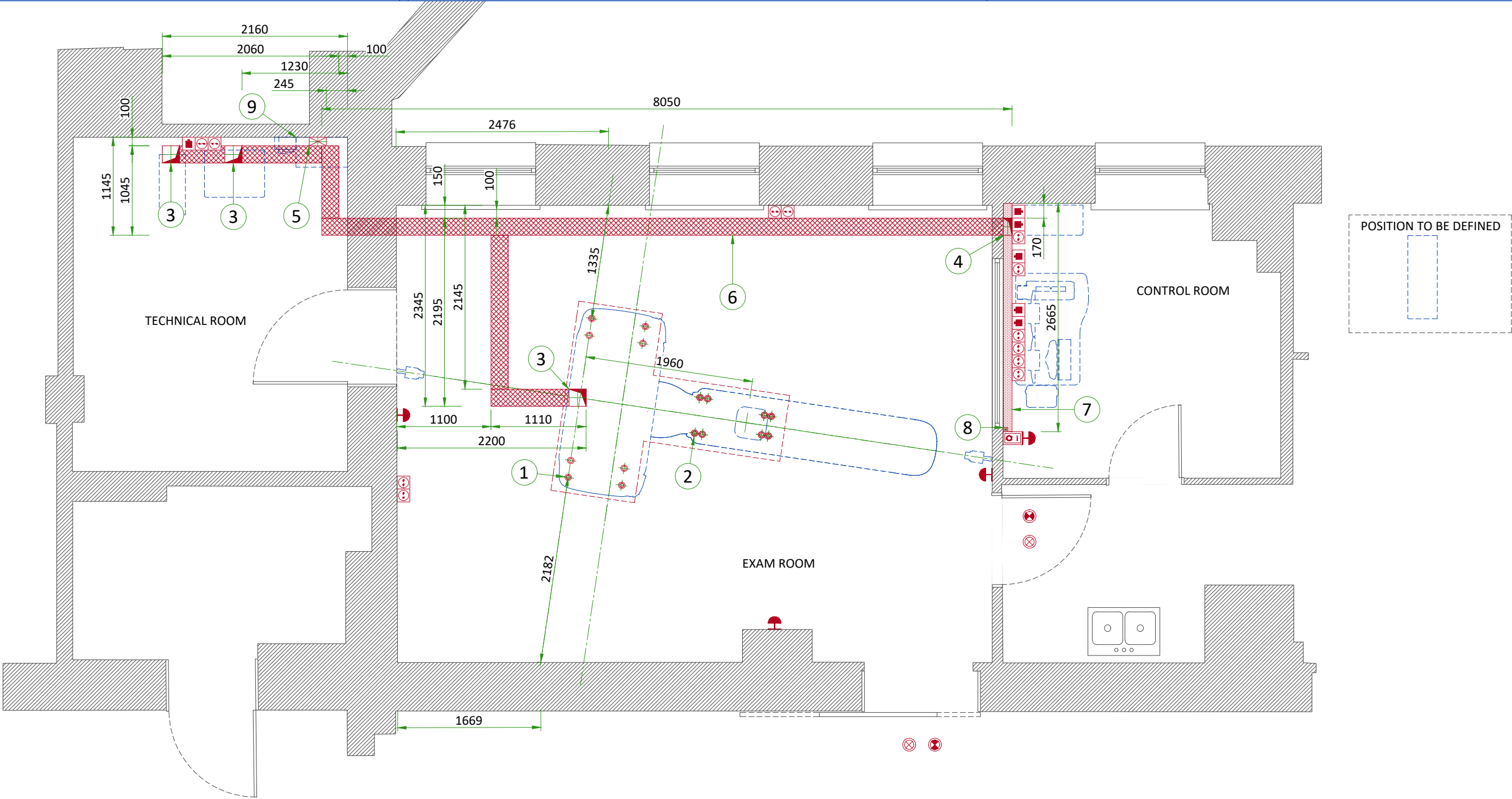
WALL - ACCORDING TO RECEIVED DRAWING

EXAM ROOM HEIGHT

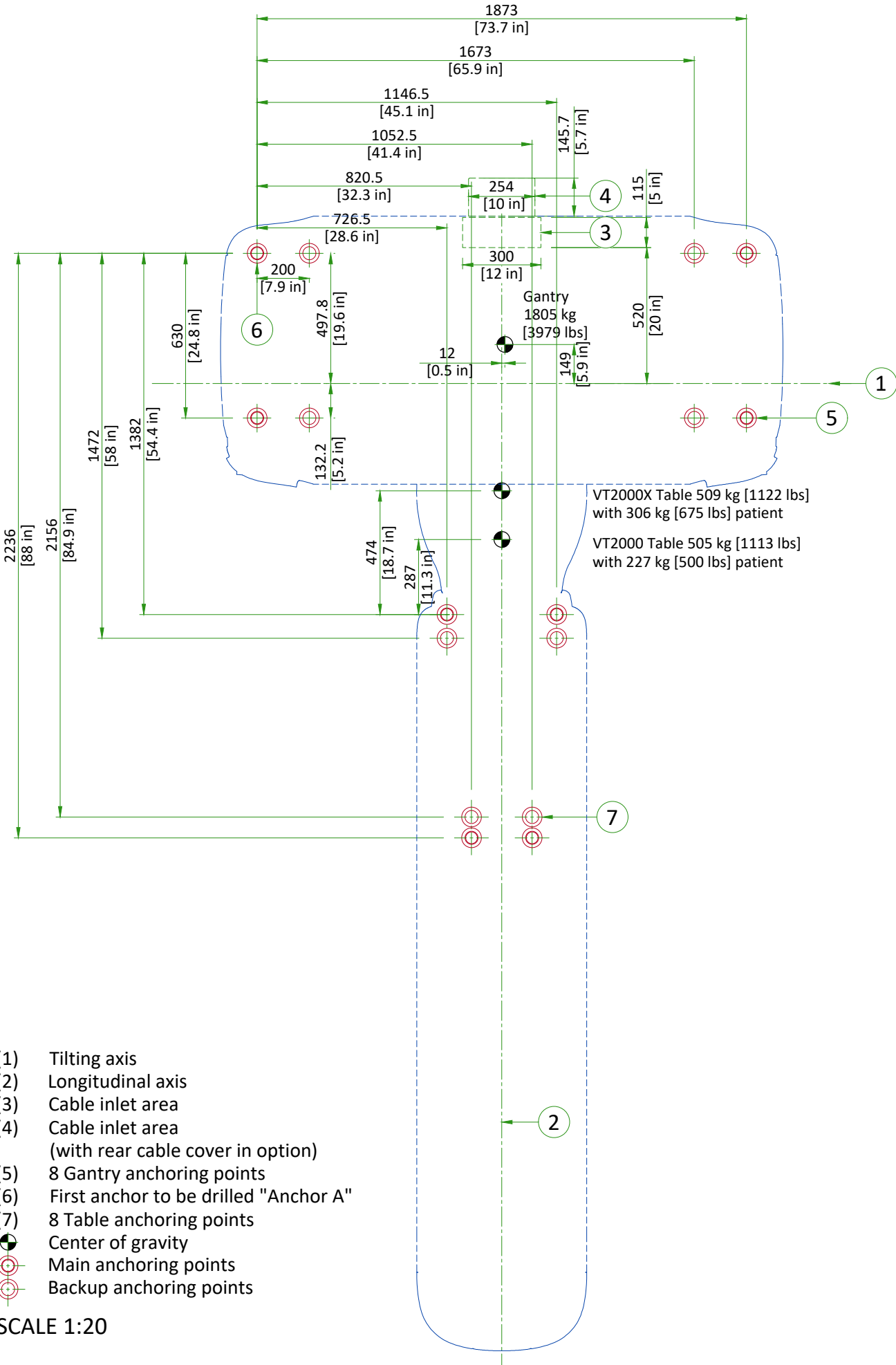
FINISHED FLOOR TO SLAB HEIGHT	3.01 m
FALSE CEILING HEIGHT	2.78 m

FLOOR STRUCTURAL LAYOUT

ITEM	DESCRIPTION		
1	Gantry anchoring (see Structural Details)		Electrical outlet 10/16A 230V + G
2	Table anchoring (see Structural Details)		RJ 45 network socket
3	200x200 cable inlet on the floor		System emergency off (SEO), (recommended height 1.50m-1.85m above floor)
4	200x100 cable inlet on the floor		X-Ray ON lamp (L1) - 24V
5	200x100 cable inlet on the floor and vertical duct for MDP cabling (h=1.10m)		System ON light (L) - 24V
6	200x70 flush floor duct		System remote control (Y), locked when power OFF "ON" and "OFF" impulse buttons with indicator lamps red=ON / green=OFF located at 1.50m above floor
7	200x100 horizontal wall duct		
8	50x50 opening in the false ceiling and vertical duct from false ceiling to the duct		Flush floor duct
9	Main Disconnect Panel (MDP)		Surface duct



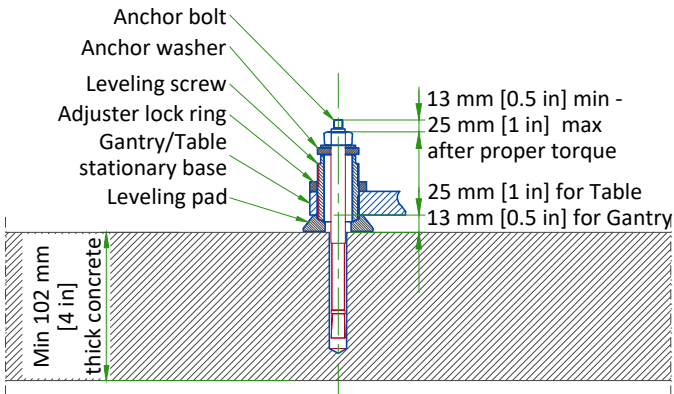
ANCHORING/LOADING DISTRIBUTION TO THE FLOOR



SCALE 1:20

FLOOR REQUIREMENTS

GE SUPPLIED TABLE/GANTRY ANCHORS



NOTES:

- The distance from central line of anchor to the edge of concrete basement of Gantry/Table should not be less than 178 mm [7 in].
- Torque anchor to 54 Nm [40 ft-lb]

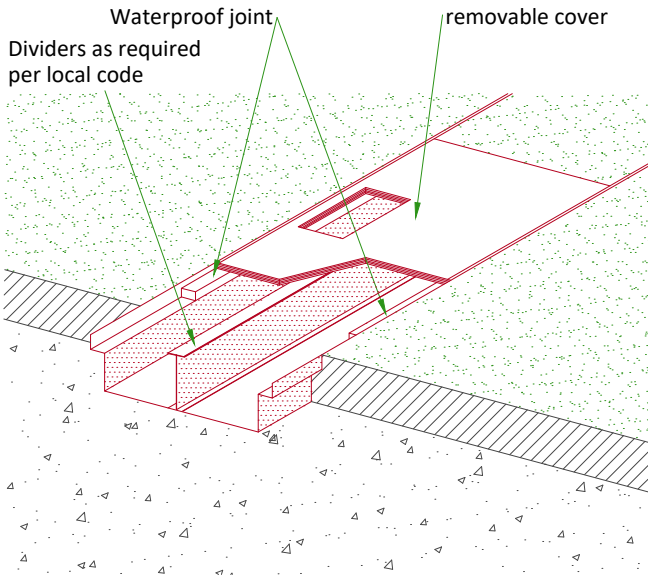
FINISHED FLOOR REQUIREMENTS

- Installation requires a finish floor in the scan and control rooms
- The floor surface in the scan room directly under the gantry and table must be level.
- The floor levelness tolerance of the floor surface that the gantry and table will rest on is 6 mm [1/4 in] over a 3048 mm [10 ft] distance.
- Shims should not be used to compensate for a floor that does not meet this requirement.
- Eight or more floor covering openings that are 102 mm [4 in] in diameter are made to ensure the table and gantry rest on a solid surface. These floor penetrations can be sealed if required.
- Concrete floors must have a minimum strength of  $f'c = 1.7 \times 10^7$  Pa [2500 PSI] at 28 days for (curing time) mounting floor anchors. It is the responsibility of each customer to have appropriate tests performed to determine and measure concrete strength.
- These requirements apply to all installation types.

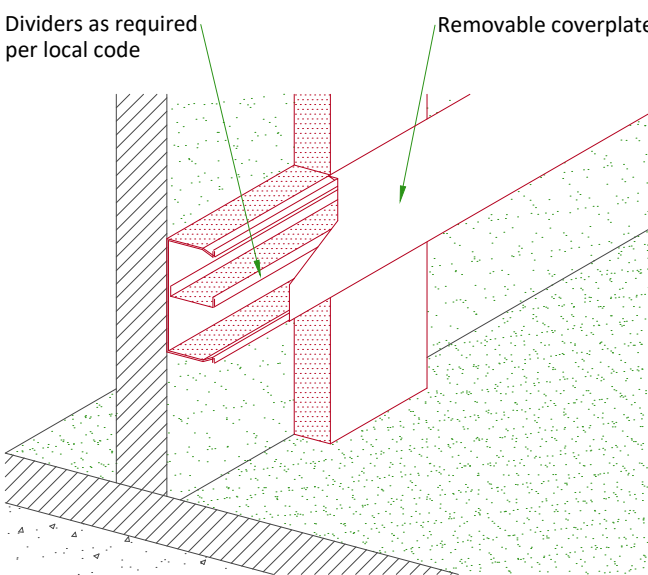
NOT TO SCALE

TYPICAL CABLE MANAGEMENT

FLUSH FLOOR DUCT




WALL DUCT

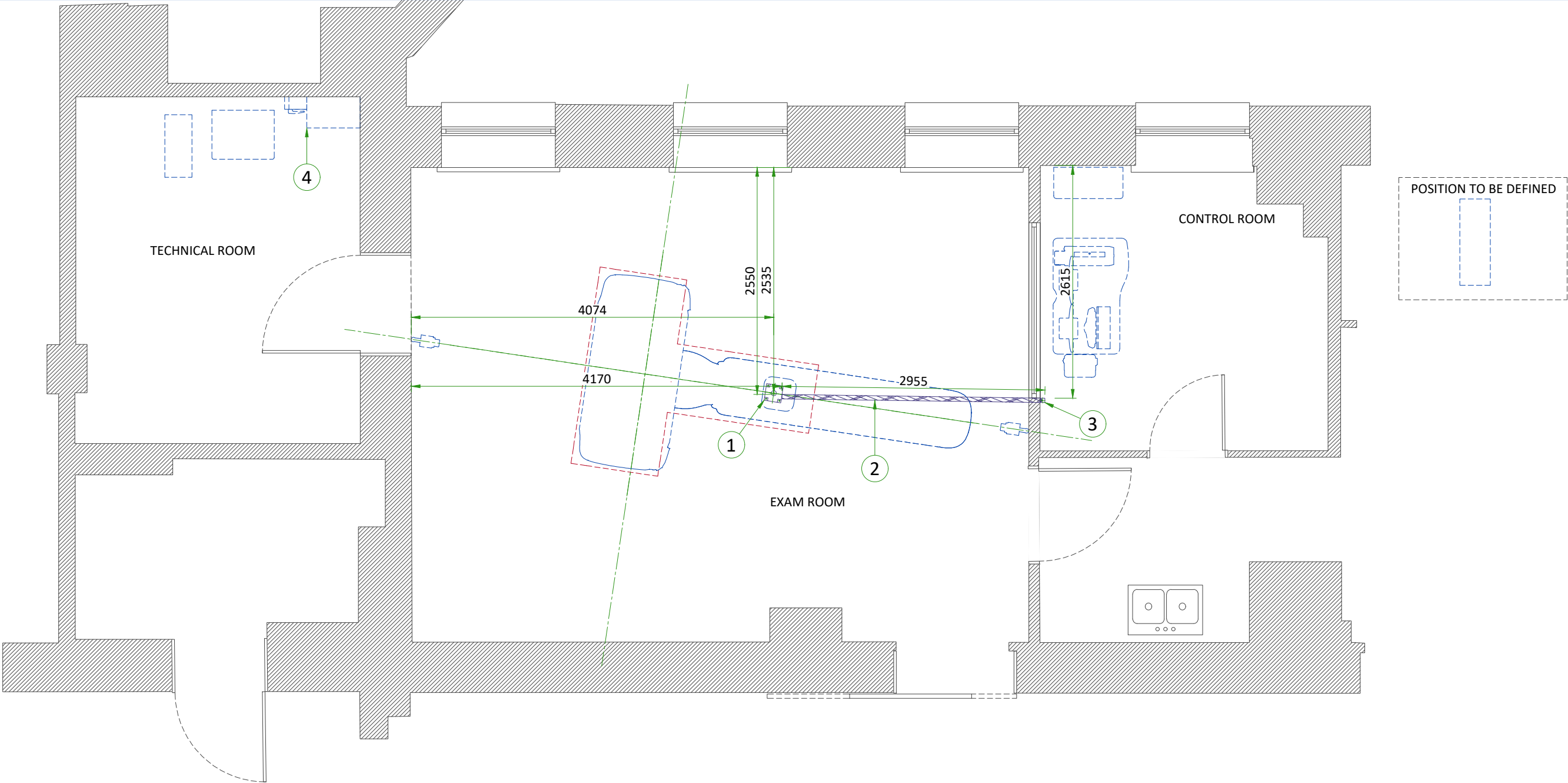


NOT TO SCALE

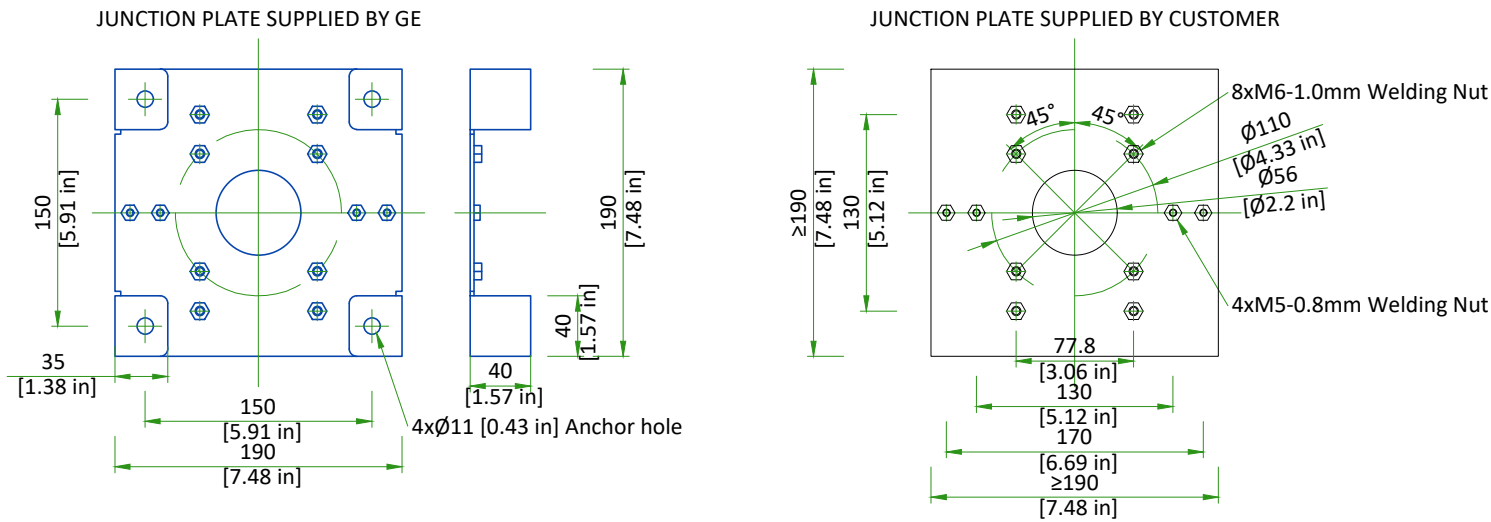


CEILING LAYOUT

ITEM	DESCRIPTION
1	Depth camera anchorage on the ceiling
2	50x50 cabletray in the false ceiling
3	50x50 opening in the false ceiling and vertical duct from false ceiling to the duct
4	Main Disconnect Panel (MDP)
	Ceiling duct



POSITIONING CAMERA MOUNTING PLATE



GE will provide a Junction Plate, shipped with the system. If the Junction Plate supplied by GE can not meet the requests of the customer or the building structure, the customer’s architect can design and install the Junction Plate (refer to the right side of the detail) with sufficient strength to hold the camera assembly.

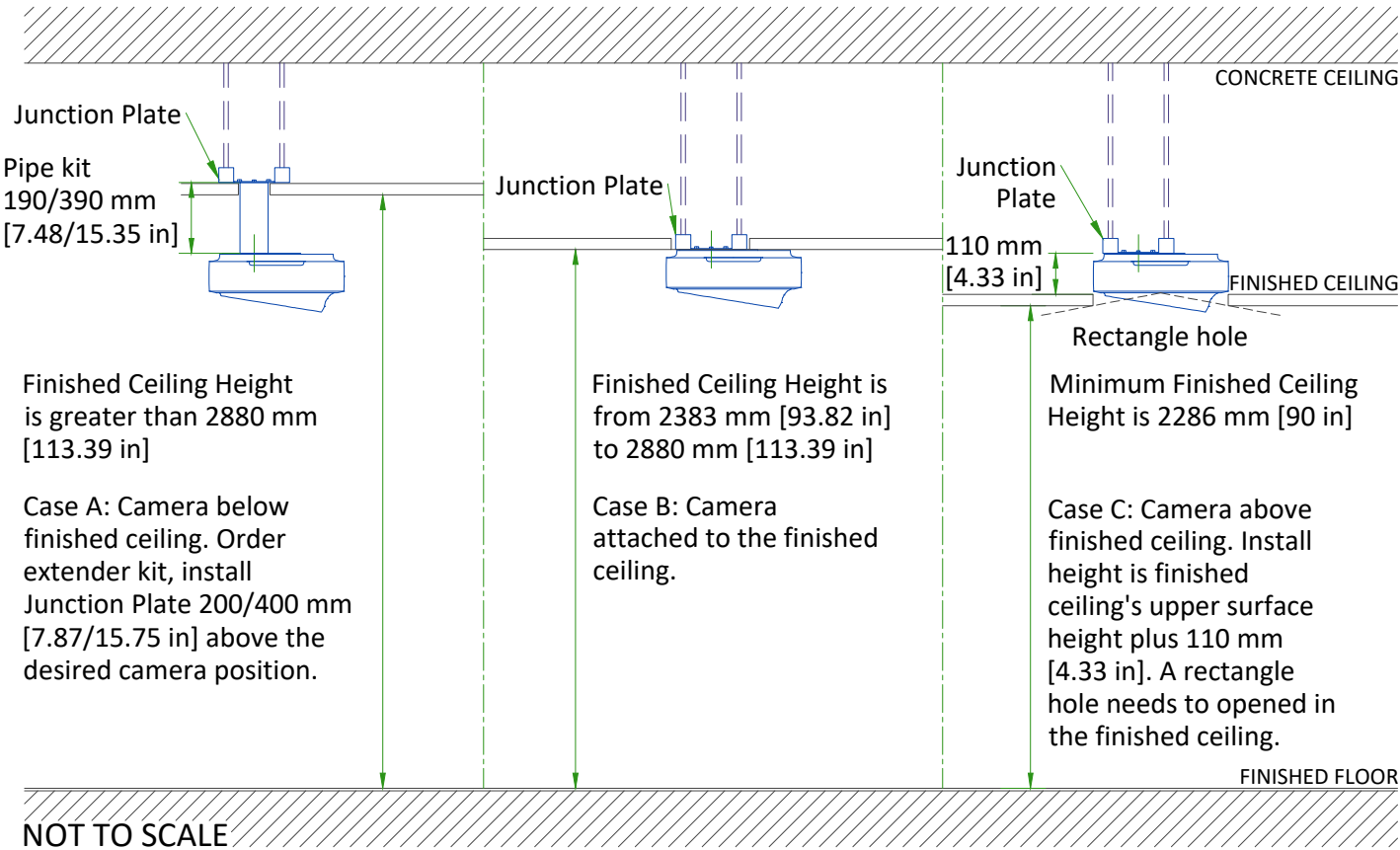
Material: Steel material with a min. tensile strength of 375 MPa  
Plate thickness: 2.5 mm [0.10 in]

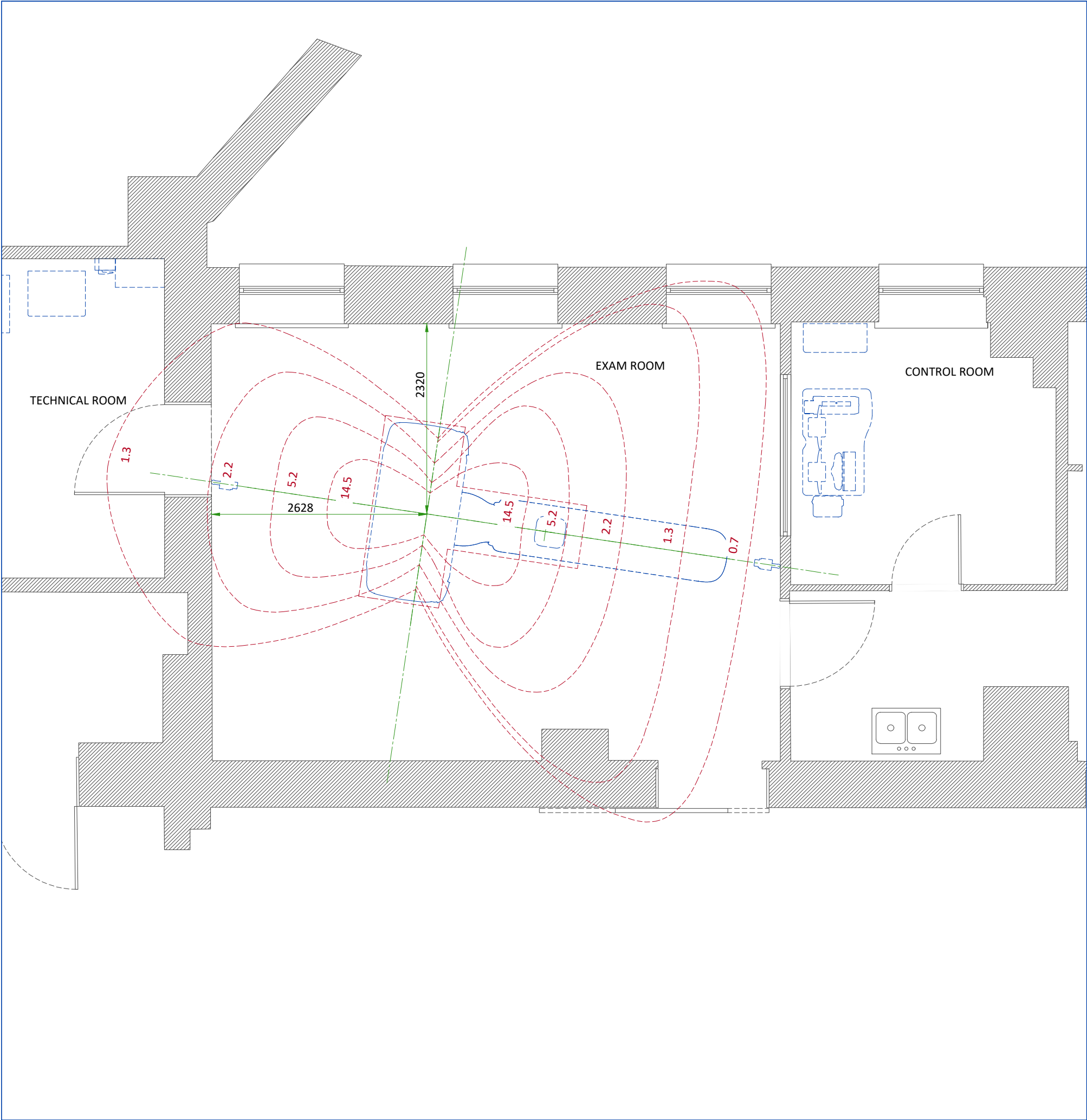
Welding Nut: Meet GB-T 13681-1992 requirement or equivalent		
	M5-0.8 mm	M6-1.0 mm
Thickness (mm [in])	3.7-4 [0.15-0.16]	4.7-5 [0.19-0.20]
Pledge load (N)	11000	15500

NOTE: The system manufacturer will NOT inspect and test that the fixing methods between the Junction Plate and the building structure meet the loading capacity specified (recommend a 6x safety factor), which is the customer’s responsibility. The weight of the camera assembly is approximately 3.2 kg [7.05 lbs], suggest the safety load on the Junction Plate is no less than 20 kg [44.09 lbs]. If the Anchor Bolt is not applicable for site requirement, the customer’s architect can consider other methods (such as welding...) to fix the Junction Plate. Presetting for site preparation of the Camera installation, customer had better install the Junction Plate in advance before the system installation.

NOT TO SCALE

POSITIONING CAMERA INSTALLATION POSITION





RADIATION PROTECTION LAYOUT

SHIELDING REQUIREMENTS SCALING	
CHANGED PARAMETER (mAs)	MULTIPLICATION FACTOR (new mAs/100)
80 kV	0.24
100 kV	0.45
120 kV	0.71
140 kV	1.00
1 mm aperture	0.20
3 mm aperture	0.22
5 mm aperture	0.27
10 mm aperture	0.38
15 mm aperture	0.48
20 mm aperture	0.59
30 mm aperture	0.79
40 mm aperture	1.00

SHIELDING REQUIREMENTS:

- Engage a qualified radiological health physicist to review your scan room shielding requirements, taking into consideration:
- Scatter radiation levels within the scanning room
  - Equipment placement
  - Weekly projected work-loads (number of patients/day technique (kvp\*ma))
  - Materials used for construction of walls, floors, ceiling, doors, and windows
  - Access to surrounding scan room areas
  - Equipment in surrounding scan room areas (e.g., film developer, film storage)
  - Room size and equipment placement within the room relative to room size

The illustration on this page depicts measurable radiation levels within the scanning room while scanning a 32 cm CTDI phantom (body) with the technique shown:

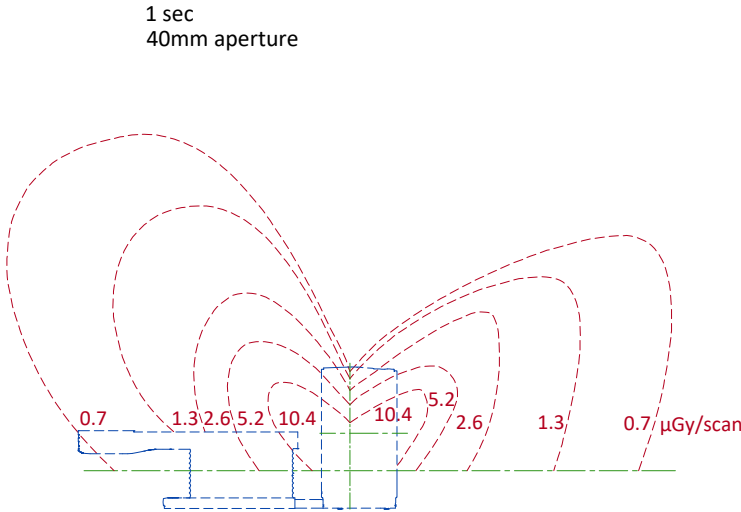
- 140 kV
- 100 mA
- 1 sec
- 40 mm

**NOTE:** Actual measurements can vary. Expected deviation equals ±15%, except for the 5 mA and 1 mm techniques, where variation may be greater (up to a factor of 2), due to the inherent deviation in small values. The maximum deviation anticipated for tube output equals ±40%.

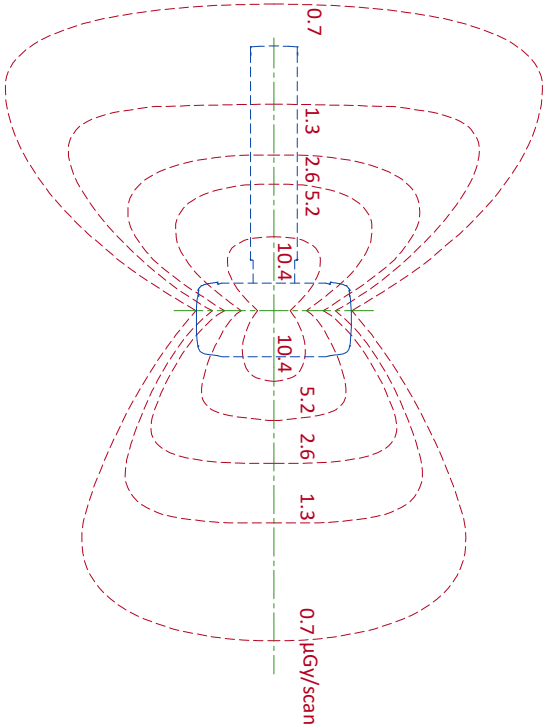
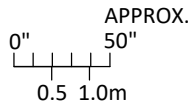


RADIATION SCATTER - HEAD PHANTOM

NOTE: 140 kV  
100 mAs/scan  
1 sec  
40mm aperture



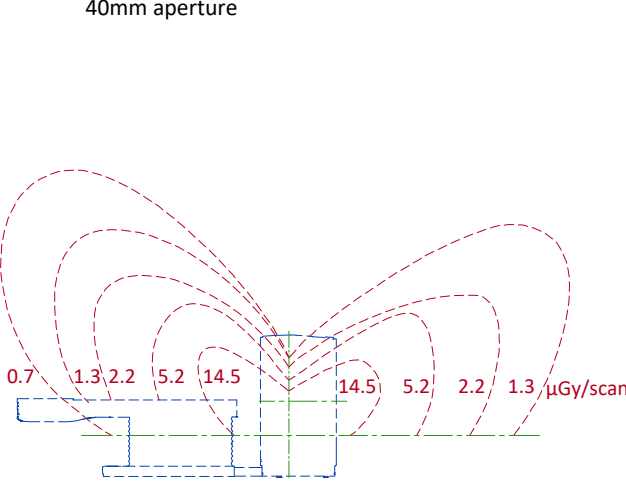
Elevation



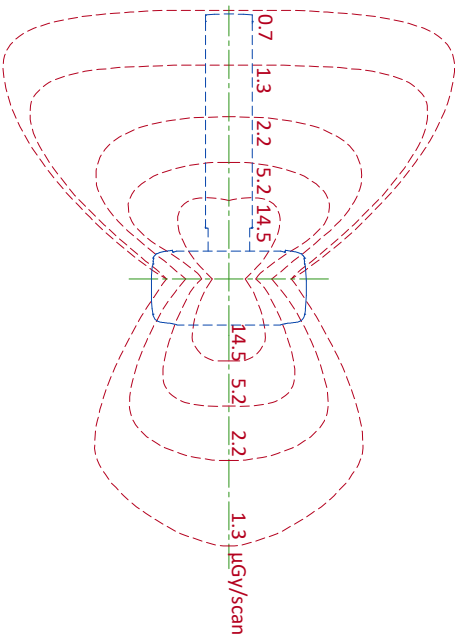
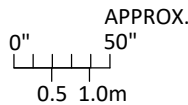
Plan View

RADIATION SCATTER - BODY PHANTOM

NOTE: 140 kV  
100 mAs/scan  
1 sec  
40mm aperture



Elevation



Plan View

POWER REQUIREMENTS

POWER SUPPLY	3 PHASES+G 200/220/240/380/400/420/440/460/480 V ± 10%
FREQUENCIES	50/60 Hz ± 3 Hz
MAXIMUM POWER DEMAND	100 kVA
AVERAGE (CONTINUOUS) POWER DEMAND	20 kVA
POWER FACTOR	0.85

- Power supply should come into a main disconnect panel (MDP) containing the protective units and controls.
- The section of the supply cable should be calculated in accordance with its length and the maximum permissible voltage drops.
- There must be discrimination between supply cable protective device at the beginning of the installation (main low-voltage transformer side) and the protective devices in the MDP.

SUPPLY CHARACTERISTICS

- Power input must be separate from any others which may generate transients (elevators, air conditioning, radiology rooms equipped with high speed film changers...).
- All equipment (lighting, power outlets, etc...) installed with GE system components must be powered separately.
- Phase imbalance 2% maximum.
- Transients must be less than 1500V peak. (on a 400V line)

GROUND SYSTEM

- System of equipotential grounding.
- Equipotential: The equipotential link will be by means of an equipotential bar. This equipotential bar should be connected to the protective earth conductors in the ducts of the non GE cableways and to additional equipotential connections linking up all the conducting units in the rooms where GE system units are located.

CABLES

- Power and cable installation must comply with the distribution diagram.
- All cables must be isolated and flexible, cable color codes must comply with standards for electrical installation.
- The cables from signaling and remote control (Y, SEO, L...) will go to MDP with a pigtail length of 1.5m, and will be connected during installation. Each conductor will be identified and isolated (screw connector).

CABLEWAYS

The general rules for laying cableways should meet the conditions laid down in current standards and regulations, with regard to:

- Protecting cables against water (cableways should be waterproof).
- Protecting cables against abnormal temperatures (proximity to heating pipes or ducts).
- Protecting cables against temperature shocks.
- Replacing cables (cableways should be large enough for cables to be replaced).
- Metal cableways should be grounded.

POWER DISTRIBUTION

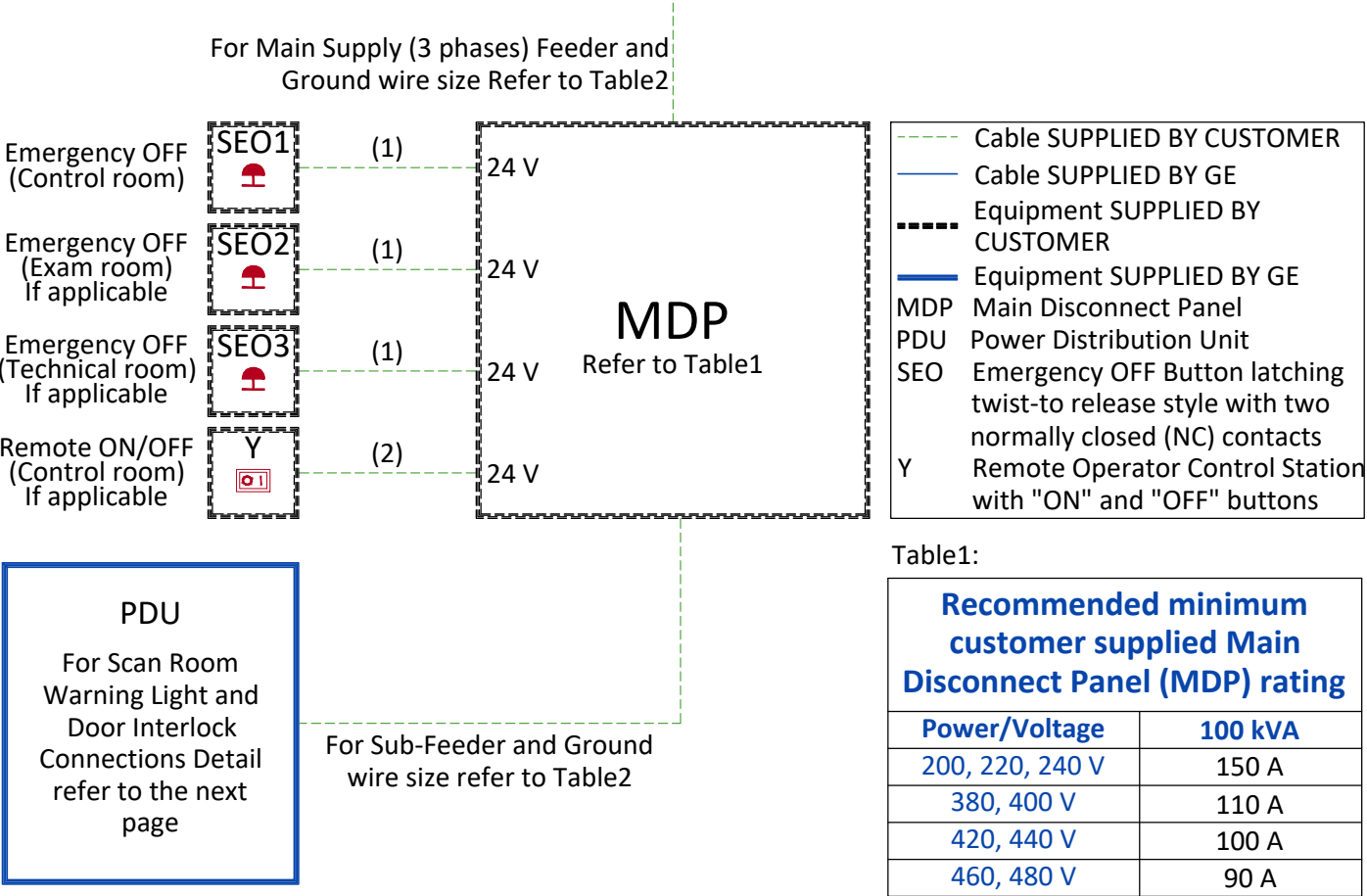


Table1:

Recommended minimum customer supplied Main Disconnect Panel (MDP) rating	
Power/Voltage	100 kVA
200, 220, 240 V	150 A
380, 400 V	110 A
420, 440 V	100 A
460, 480 V	90 A

Table2:

Feeder Table									
The information below assumes the use of copper wire, rated 75 C and run in steel conduit. All ampacity is determined in accordance with the National Electrical Code (NFPA 70), Table 310-16 (2002). The ampacity of the circuit protection device listed above determines the minimum feeder size, except where total source regulation limits require a larger size. If the wire size does not match the above lists, please select the nearest wire size as per to local standards.									
Feeder length from Power Substation to MDP - ft (m)	Minimum Wire Size, AWG or MCM (mm²)/VAC								
	200 VAC	220 VAC	240 VAC	380 VAC	400 VAC	420 VAC	440 VAC	460 VAC	480 VAC
50 (15)	1/0 (55)	1/0 (55)	1/0 (55)	2 (35)	2 (35)	3 (30)	3 (30)	3 (30)	3 (30)
100 (30)	2/0 (70)	1/0 (55)	1/0 (55)	2 (35)	2 (35)	3 (30)	3 (30)	3 (30)	3 (30)
150 (46)	4/0 (100)	3/0 (85)	3/0 (85)	2 (35)	2 (35)	3 (30)	3 (30)	3 (30)	3 (30)
200 (61)	5/0 (125)	4/0 (100)	4/0 (100)	2 (35)	2 (35)	3 (30)	3 (30)	3 (30)	3 (30)
250 (76)	6/0 (170)	5/0 (125)	5/0 (125)	1 (45)	1 (45)	2 (35)	2 (35)	2 (35)	3 (30)
300 (91)	7/0 (215)	6/0 (170)	5/0 (125)	1/0 (55)	1/0 (55)	1 (45)	1 (45)	2 (35)	2 (35)
350 (107)	8/0 (275)	7/0 (215)	6/0 (170)	2/0 (70)	1/0 (55)	1/0 (55)	1 (45)	1 (45)	1 (45)
400 (122)	8/0 (275)	7/0 (215)	7/0 (215)	2/0 (70)	2/0 (70)	1/0 (55)	1/0 (55)	1/0 (55)	1 (45)
Sub-Feeder length from MDP to PDU - ft (m)									
32 (9.7536)	1/0 (55)	1/0 (55)	1/0 (55)	2 (35)	2 (35)	3 (30)	3 (30)	3 (30)	3 (30)
Grounding									
Run a dedicated 1/0 [55 mm²] or larger insulated copper ground wire from the power source to the MDP and from MDP to the PDU. Run the ground wire in the same raceway with the three-phase wires.									

- Notes :
- (1) Wire size: 4x2mm² [14AWG] and 1x2mm² [14AWG] GND
- (2) Wire size: 6x2mm² [14AWG] and 1x2mm² [14AWG] GND

**PDU**

KD6

KD5

KD7

CONTROL BOARD

EXP\_INTLK

PGND

**TS6**

(1)

(1)

(1)

(1)

(1)

(1)

(1)

(1)

(1)

(1)

FUSE

24V max

R1

R2

R3

X-RAY LIGHT

SYS-ON LIGHT

READY LIGHT

DOOR SWITCH (2)

Facility Input Power (3)

L

N

Legend:

- Cable SUPPLIED BY CUSTOMER
- Cable SUPPLIED BY GE
- Equipment SUPPLIED BY CUSTOMER
- Equipment SUPPLIED BY GE

PDU: Power Distribution Unit

TS6: Terminal Block 6

Legend symbols:

- Fuse
- Relay coil and contact - normally open (de-energized state)
- Control power transformer

- (1) Wire size: 2mm<sup>2</sup> [14 AWG] at 24V
- (2) Door Interlock circuit is jumpered out if a door switch is not provided.
- (3) Grounding not shown on the detail, but must comply with local codes.

**EXAM ROOM / TECHNICAL ROOM**

- Can be ordered from GE
- MDP
- Customer supply
- 12.50 m [41']
- PDU
- 3.30 m [11']
- Partial UPS (Option)
- 18.00 m or 23.00 m [60' or 76']
- 6.00 m or 16.00 m [20' or 53']

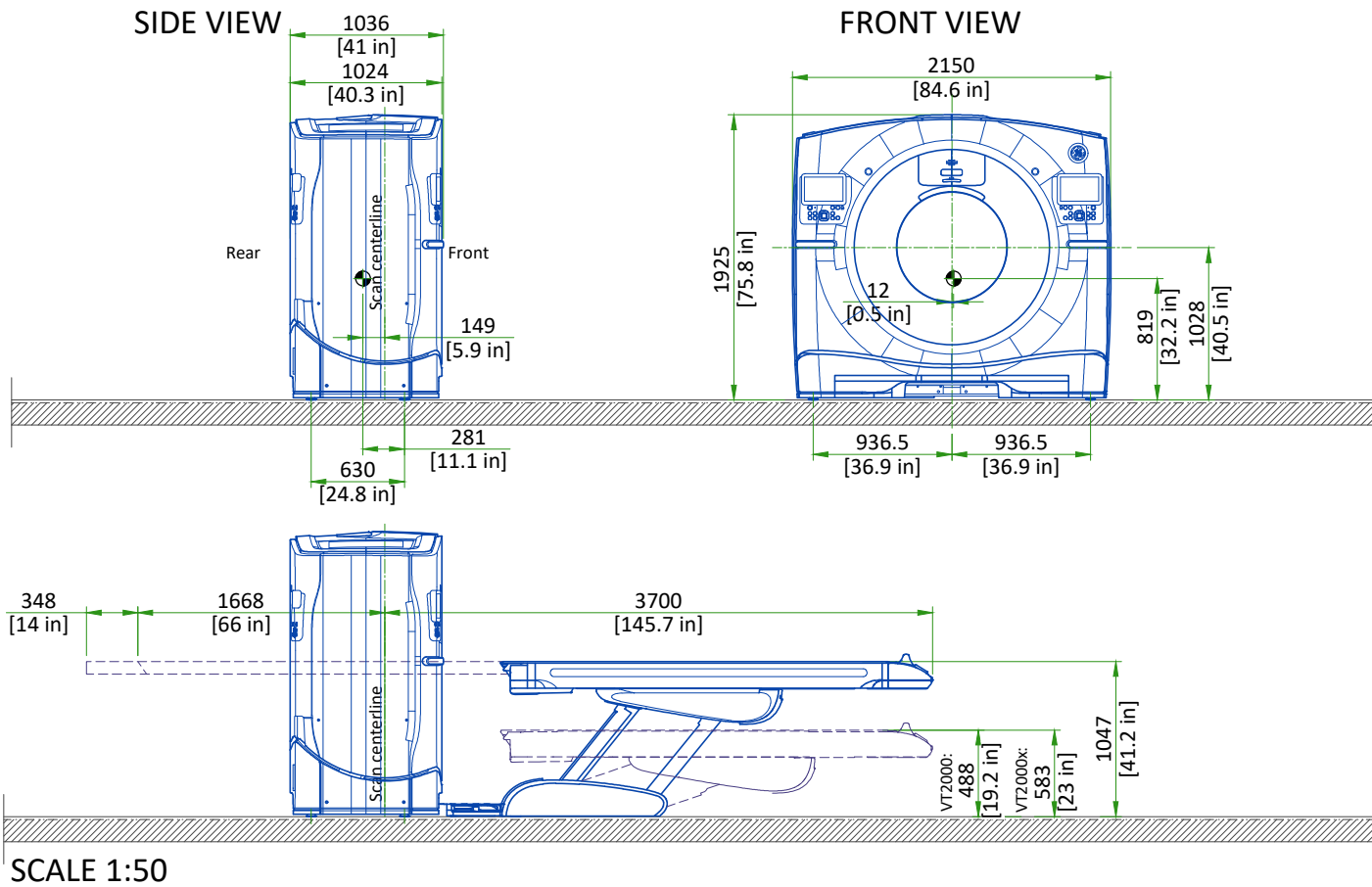
**EXAM ROOM**

- 17.00 m or 22.00 m [56' or 72']
- Gantry
- Express Camera (Option)
- 30 m [98']
- Patient Table
- AVIMOS Camera (3x) (Option)

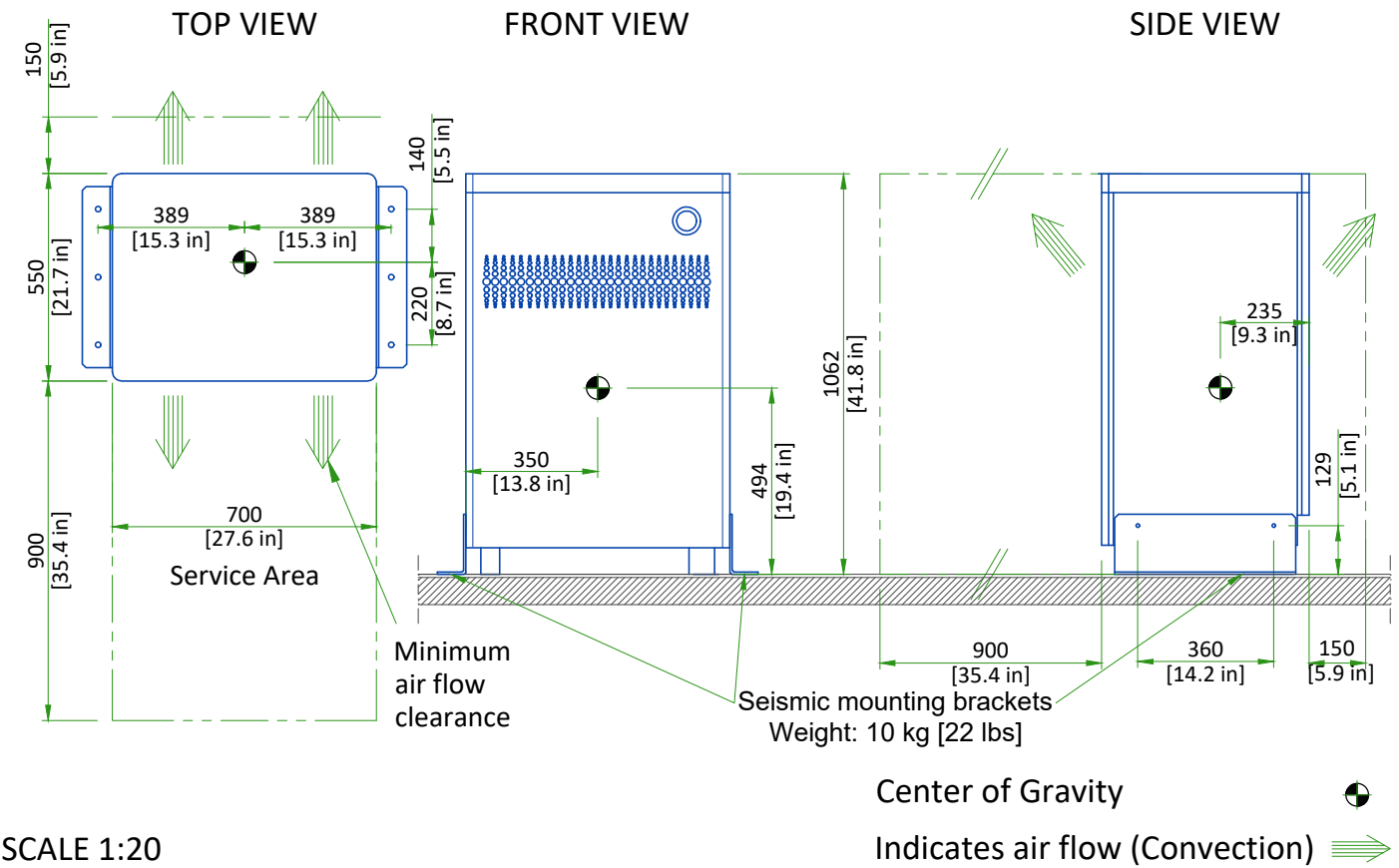
**CONTROL ROOM**

- Standalone Console and Power Box
- 1.50 m or 3.00 m [4.9' or 9.8']
- RCK (Option)
- 25 m [82']
- AVIMOS Console (Option)
- 30 m [98']

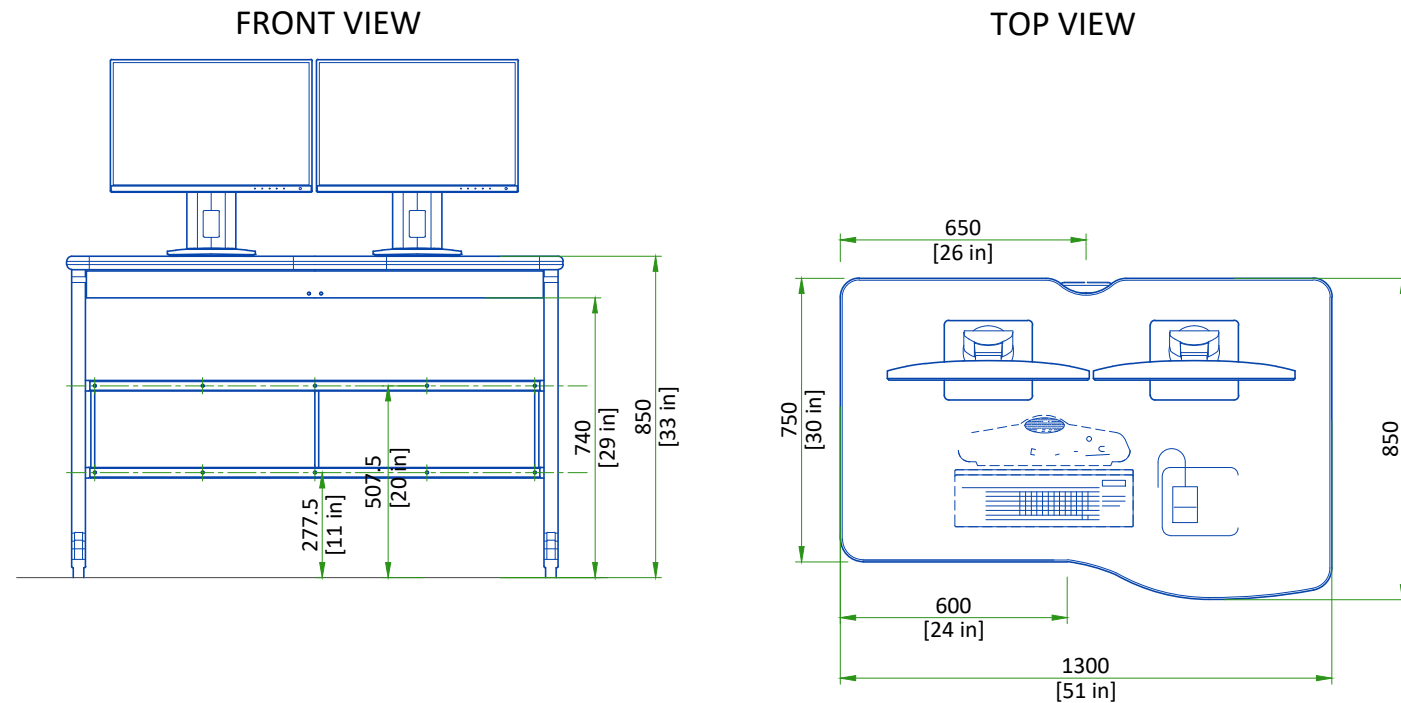
GANTRY WITH VT2000/VT2000X TABLE



POWER DISTRIBUTION UNIT (PDU)



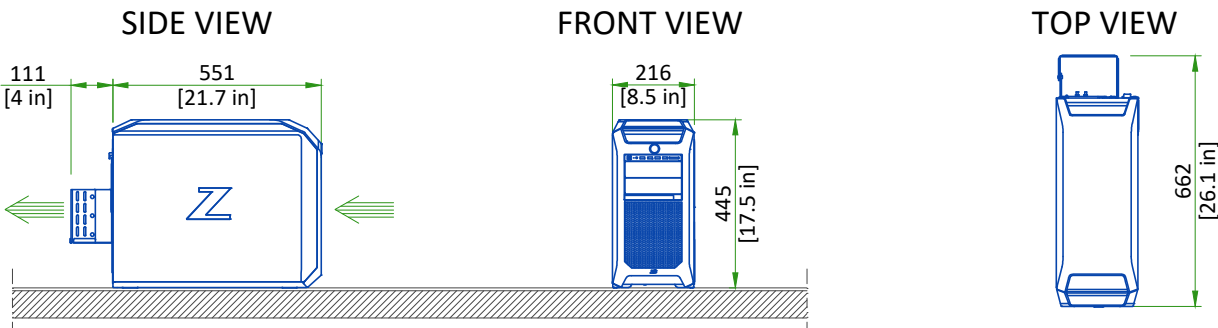
AURORA SWS TABLE



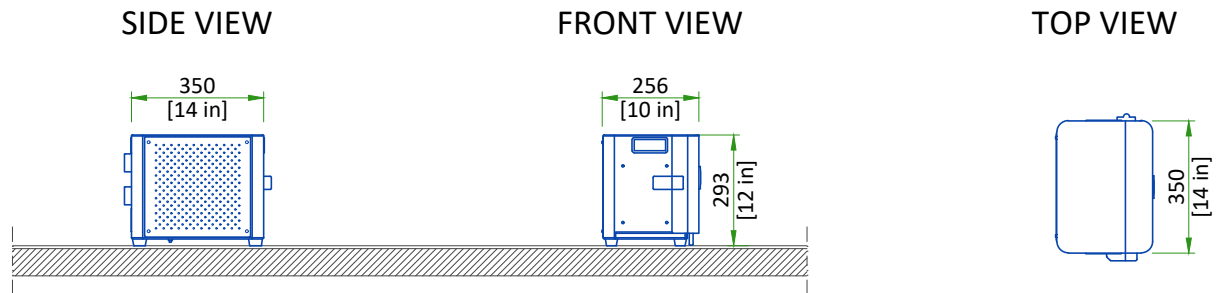
(Table weight: 40 kg)

STANDALONE Z8G4 CONSOLE WITH POWER BOX

STANDALONE Z8G4 CONSOLE



POWER BOX



SCALE 1:20

Indicates air flow (Convection)

TEMPERATURE AND HUMIDITY SPECIFICATIONS

IN-USE CONDITIONS

	EXAM ROOM			CONTROL ROOM			TECHNICAL ROOM		
	Min	Recommended	Max	Min	Recommended	Max	Min	Recommended	Max
Temperature (up to 2400 m [7875 ft])	18°C	22°C	26°C	18°C	22°C	26°C	18°C	22°C	26°C
	64°F	72°F	79°F	64°F	72°F	79°F	64°F	72°F	79°F
Temperature (up to 3000 m [9843 ft])	18°C	22°C	25°C	18°C	22°C	25°C	18°C	22°C	25°C
	64°F	72°F	77°F	64°F	72°F	77°F	64°F	72°F	77°F
Temperature (up to 4000 m [13124 ft])	18°C	22°C	23°C	18°C	22°C	23°C	18°C	22°C	23°C
	64°F	72°F	73.4°F	64°F	72°F	73.4°F	64°F	72°F	73.4°F
Relative humidity (1)	30% to 60%			30% to 60%			30% to 60%		

STORAGE CONDITIONS

Temperature	0°C to +30°C
	32°F to +86°F
Temperature gradient	≤ 3°C/h
	≤ 5.4°F/h
Relative humidity (1)	20% to 60%
Humidity gradient	≤ 5%/h

Storage longer than 6 months is not recommended.

(1) Non-condensing

AIR RENEWAL

According to local standards.

NOTE

In case of using air conditioning systems that have a risk of water leakage it is recommended not to install it above electric equipment or to take measures to protect the equipment from dropping water.

DELIVERY

THE CUSTOMER/CONTRACTOR SHOULD:

- Provide an area adjacent to the installation site for delivery and unloading of the GE equipment.
- Ensure that the dimensions of all doors, corridors, ceiling heights are sufficient to accommodate the movement of GE equipment from the delivery area into the definitive installation room.
- Ensure that access routes for equipment will accommodate the weights of the equipment and any transportation, lifting and rigging equipment.
- Ensure that all necessary arrangements for stopping and unloading on public or private property not belonging to the customer have been made.

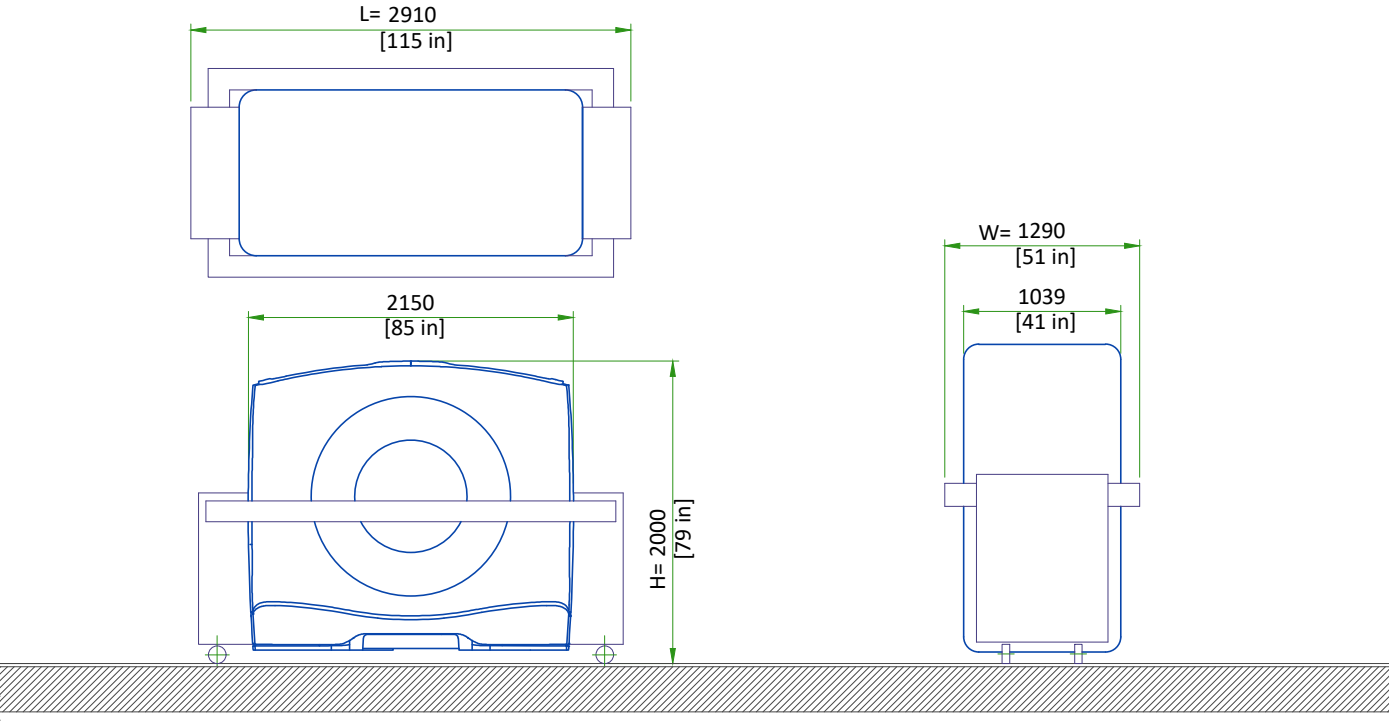
DIMENSIONS OF DELIVERY WITH DOLLY TRANSPORT EQUIPMENT

EQUIPMENT	DIMENSIONS			WEIGHT	
GANTRY	LENGTH	2910 mm	115 in	2035 kg	4486 lbs
	WIDTH	1290 mm	51 in		
	HEIGHT	2000 mm	79 in		
VT2000/VT2000X TABLE	LENGTH	2997 mm	118 in	632 kg	1390 lbs
	WIDTH	762 mm	30 in		
	HEIGHT	1143 mm	45 in		

HEAT DISSIPATION DETAILS

ROOM	DESCRIPTION	Max (kW)	Max (BTU)
Exam Room	Gantry	5.48	18700
	Patient Table (Without patient)	0.30	1030
	TOTAL	5.78	19730
Exam Room or Technical Room*	Power Distribution Unit	1.00	3400
	Partial UPS - Liebert GXT4	0.83	2828
	TOTAL	1.83	6228
Control Room	Standalone Console	0.84	2860
	LCD Monitor (Total amount of 2 monitors)	0.10	340
	Smart Subscription Server ML350G10	1.8	6134
	TOTAL	2.74	9334
Hospital Data Center or Technical Room*	AW Server	0.60	1911
	TOTAL	0.60	1911
*Technical Room is not mandatory, the placements of these elements are recommended in the Exam Room.			

GANTRY DELIVERY



- The gantry is shipped on a dolly equipped with elevating casters (normal shipping configuration).

NOT TO SCALE



DISCLAIMER

GENERAL SPECIFICATIONS

- GE is not responsible for the installation of developers and associated equipment, lighting, cassette trays and protective screens or derivatives not mentioned in the order.
- The final study contains recommendations for the location of GE equipment and associated devices, electrical wiring and room arrangements. When preparing the study, every effort has been made to consider every aspect of the actual equipment expected to be installed.
- The layout of the equipment offered by GE, the dimensions given for the premises, the details provided for the pre-installation work and electrical power supply are given according to the information noted during on-site study and the wishes expressed by the customer.
- The room dimensions used to create the equipment layout may originate from a previous layout and may not be accurate as they may not have been verified on site. GE cannot take any responsibility for errors due to lack of information.
- Dimensions apply to finished surfaces of the room.
- Actual configuration may differ from options presented in some typical views or tables.
- If this set of final drawings has been approved by the customer, any subsequent modification of the site must be subject to further investigation by GE about the feasibility of installing the equipment. Any reservations must be noted.
- The equipment layout indicates the placement and interconnection of the indicated equipment components. There may be local requirements that could impact the placement of these components. It remains the customer's responsibility to ensure that the site and final equipment placement complies with all applicable local requirements.
- All work required to install GE equipment must be carried out in compliance with the building regulations and the safety standards of legal force in the country concerned.
- These drawings are not to be used for actual construction purposes. The company cannot take responsibility for any damage resulting therefrom.

CUSTOMER RESPONSIBILITIES

- It is the responsibility of the customer to prepare the site in accordance with the specifications stated in the final study. A detailed site readiness checklist is provided by GE. It is the responsibility of the customer to ensure all requirements are fulfilled and that the site conforms to all specifications defined in the checklist and final study. The GE Project Manager of Installation (PMI) will work in cooperation with the customer to follow up and ensure that actions in the checklist are complete, and if necessary, will aid in the rescheduling of the delivery and installation date.
- Prior to installation, a structural engineer of record must ensure that the floor and ceiling is designed in such a way that the loads of the installed system can be securely borne and transferred. The layout of additional structural elements, dimensioning and the selection of appropriate installation methods are the sole responsibility of the structural engineer. Execution of load bearing structures supporting equipment on the ceiling, floor or walls are the customer's responsibility.

RADIO-PROTECTION

- Suitable radiological protection must be determined by a qualified radiological physicist in conformation with local regulations. GE does not take responsibility for the specification or provision of radio-protection.

THE UNDERSIGNED, HEREBY CERTIFIES THAT I HAVE READ AND APPROVED THE PLANS IN THIS DOCUMENT.		
DATE	NAME	SIGNATURE

CUSTOMER SITE READINESS REQUIREMENTS

REQUIRED MANUALS FOR SYSTEM PRE-INSTALLATION	
Description	Document Number*
Product specific Pre-installation Manual	Refer to cover page
*documents can be accessed in multiple languages at <a href="https://www.gehealthcare.com/support/manuals">https://www.gehealthcare.com/support/manuals</a>	

- A mandatory component of this drawing set is the GE HealthCare Pre-installation manual. Failure to reference the Pre-installation manual will result in incomplete documentation required for site design and preparation.
- The items on the GE HealthCare Site Readiness Checklists listed below are REQUIRED to facilitate equipment delivery to the site. Equipment will not be delivered if these requirements are not satisfied.

REQUIRED SITE-READINESS CHECKLISTS FOR SYSTEM PRE-INSTALLATION	
Modality	Document Number*
Computerized Tomography	DOC2949059
Radiology, Radiology and Fluouroscopy, Mammography, Bone Mass Densitometry	DOC2949063
All modality Customer/Contractor Worksheet	DOC2949068
*documents can be accessed in multiple languages at <a href="https://www.gehealthcare.com/support/manuals">https://www.gehealthcare.com/support/manuals</a>	

- Any deviation from these drawings must be communicated in writing to and reviewed by your local GE HealthCare installation project manager prior to making changes.
- Make arrangements for any rigging, special handling, or facility modifications that must be made to deliver the equipment to the installation site. If desired, your local GE HealthCare installation project manager can supply a reference list of rigging contractors.
- New construction requires the following;
  1. Secure area for equipment,
  2. Power for drills and other test equipment,
  3. Restrooms.
- Provide for refuse removal and disposal (e.g. crates, cartons, packing)
- For CT systems it is required to minimize vibrations within the scan room. It is the customer's responsibility to contract a vibration consultant/engineer to implement site design modifications to meet the GE vibration specification. Refer to the system Pre-installation manual for vibration specifications.